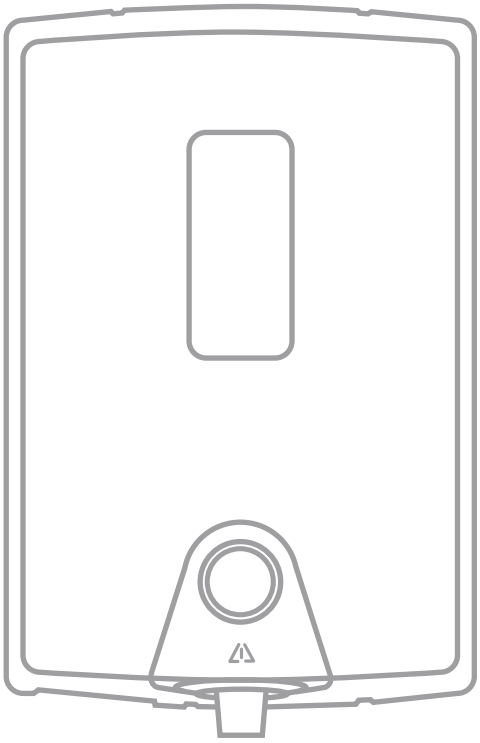
hyco

Product Instruction Manual

Omega



OMEG3, OMEG5

Automatic Boiling Water Unit

CE

V17.1/1

Thank you for purchasing from our Omega range of wall mounted automatic boiling water units. Available in sizes of 3 & 5 Litres, the Hyco Omega is a great way to provide the hot drinks that will keep a busy work team happy and productive.

Please read these instructions to ensure that installation and operation is simple and safe.

You will need to allow sufficient time after installation to verify that the unit is working correctly throughout its full operating cycle.

1. Important safety points

This appliance is only intended to be used for household and similar applications such as, staff kitchen areas in shops, offices, by clients in hotels/bed and breakfast etc.

Parts of this appliance – especially the vent pipe – can become very hot in use and can also generate steam. Take adequate precautions to avoid injury or damage to property.

For indoor use only.

This unit is intended to be permanently connected to the water mains and should not be connected by a detachable hose-set.

The unit MUST BE VENTED and will malfunction if steam cannot easily escape via the vent pipe. Please follow the installation instructions.

Do not confuse the vent and the inlet pipe – serious damage may result.

Any plastic pipework or fittings connected to the vent pipe must be rated to 100°C minimum.

This unit must be installed by a suitably qualified person in accordance with the latest edition of the IEE Wiring Regulations and the UK Water Fitting Regulations.

This appliance MUST BE EARTHED.

If the power cord is damaged, discontinue use immediately. Replacement of the power cord must be carried out by the manufacturer or their service engineer.

Children shall not play with the appliance.

This appliance can be used by children aged 12 and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning the use of this appliance in a safe way.

Cleaning and user maintenance shall not be made by children without supervision.

It is recommended that a filter is installed in the pipework to protect against lime-scale build up, reduce service costs and extend product life.

2. Installation

Step 1 - Removing the cover

Lever the outlet nozzle away from the surround as shown (fig 1). A click indicates the nozzle is successfully detached from the surround. Lower the outlet nozzle to unhook it from the surround (fig 2).

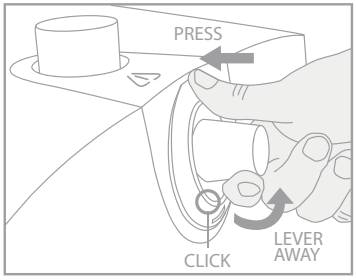


Fig 1

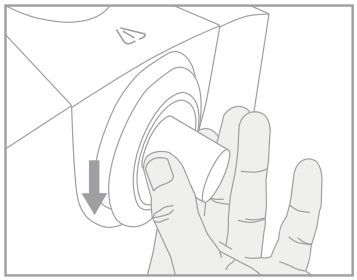


Fig 2

Release the main cover from the back plate by removing the two screws at the base and top of the unit (fig 3).

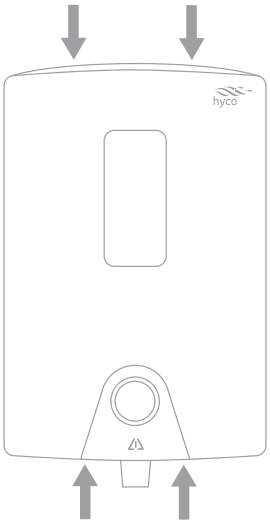


Fig 3

The cover can now be lifted away from the back plate. It may be necessary to apply a small amount of pressure to the grey section to facilitate removal of the cover (fig 4).

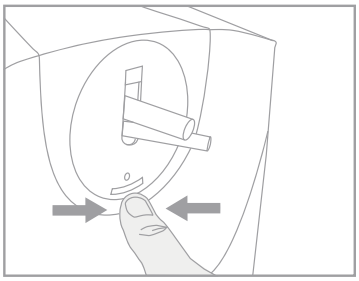


Fig 4

Step 2 - Selecting a mounting position

Position the unit bearing in mind it will contain scalding hot water and should not be accessible to children or the infirm.

Units are typically mounted above a sink or a draining board in a kitchen or similar setting. The tap height should be convenient for the operator. Consider the possibility that the user may wish to fill large pots as well as cups or mugs. It should be possible to see the water level of the container being filled.

At least 110mm clearance must be left above the unit to allow later removal of the cover for service.

Step 3 - Fastening to the wall

Ensuring a level, mark the two upper screw positions onto the mounting surface, drill and plug the holes with the provided plugs. Insert the provided screws into the plugs leaving around 3-4 mm of the thread exposed.

Offer the unit onto the two screws and then mark the two lower mounting holes onto the mounting surface. Remove the unit from the wall and drill and plug the two holes. Offer the unit back up to the top two screws locate and tighten the two lower screws and finally tighten the upper screws.

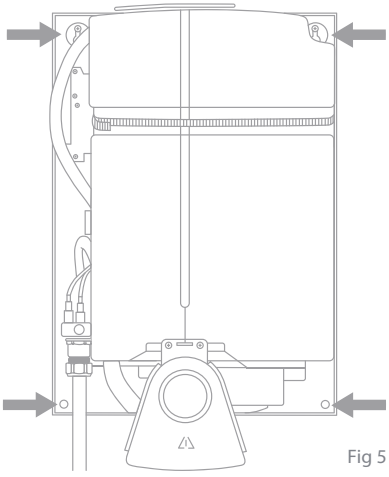


Fig 5

Step 4 - Plumbing connections

It is recommended the supplied 15mm compression fittings are used.

Inlet connection

Connect the cold water supply to the inlet connection below the solenoid valve (marked INLET).

- This unit is intended to be permanently connected to the water mains and should not be connected by a detachable hose-set.
- It is recommended a service valve is fitted close to the unit to aide future maintenance.

Connect the vent pipe to the vent connection (marked VENT). The vent pipe should be as short as practical (max 400mm), fall continuously and discharge to a safe and visible place.

A tundish (an inexpensive air break device readily available from plumber's merchants) is required if the vent pipe would be more than 400mm in length or contain bends.

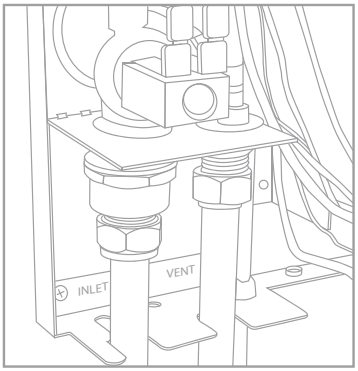


Fig 6

WARNING

The unit will malfunction if steam cannot easily escape via the vent pipe.

Do not confuse the vent and the inlet pipes – serious damage may result.

Any plastic pipework or fittings connected to the vent pipe must be rated to 100°C minimum.

The unit should only be used with the tap provided, do not attempt to change or modify it in any way.

Step 5 - refitting the cover and outlet

- Slide the cover back over the unit, ensuring not to trap the outlet tubes at the base of the unit. Then secure with the 4 cover screws.
- Slide the thinner tube into the rear hole of the outlet nozzle (fig 7), ensure the tube does not protrude.
- Slide the larger outlet silicone tube into the larger hole in the outlet nozzle. Locate the tab on the back of the outlet nozzle into the slot in the surround (fig 7) and slide nozzle upwards to engage. Press nozzle firmly into surround to lock in position (fig 8). A click indicates success.

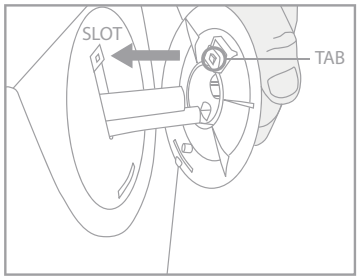


Fig 7

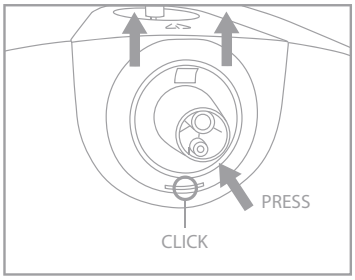


Fig 8

Step 6 - Electrical Connection

- Electrical connection should be made via 13A switched fuse spur in accordance with the latest edition of the IEE Wiring Regulations: This appliance MUST BE EARTHED.

Step 7 - Commissioning and operation

- Turn on the water supply and ensure there are no leaks.
- Switch the electrical power on.

Automatic commissioning will then commence. The (automatic) stages in commissioning are as follows:

- At first power on, the status ring and caution indicators will be illuminated red, the water tank will completely fill with water through the solenoid valve. This will take several minutes depending on the capacity of the unit.
- When the level sensor detects that the tank is full of water, the heating element is switched on.

- When the water has reached operating temperature the commissioning phase ends and the unit switches to normal operating mode. This is indicated by the status ring changing from red to green.

3. Operation

Status ring and caution indicators

- The caution symbol will always be illuminated when power is supplied to the unit.
- The status ring will show GREEN to indicate when the unit is ready to use (boiling), or RED whilst heating to temperature.
- If the status ring flashes this indicates the unit has encountered a fault (see faults below).

Dispensing water

- The flow of water is controlled by rotating the knob in the centre of the status ring, Anti clockwise to increase and clockwise to decrease/stop the flow of boiling water.
- The water is dispensed from the grey nozzle at the base of the unit.

Faults - The status ring can display two severities of fault.

- Flashing green indicates the unit has shut down because it has encountered a temporary fault. For example the dispensing knob was left open while unattended or the water supply had been interrupted. After the fault has been fixed, power off and back on again to reset the unit. It may be necessary to let the unit cool for up to 10 minutes if the fault mode will not reset.
- Flashing red indicates a permanent fault and the unit will need to be repaired or replaced.

4. Maintenance

- Clean with a damp cloth only - do not use abrasives.

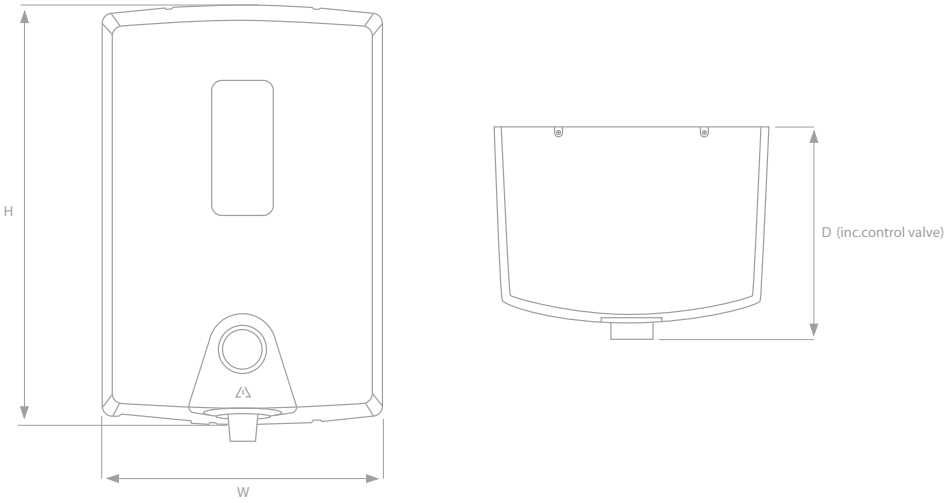
- Periodically (at least every 12 months) remove internal lime-scale build up using a standard domestic kettle de-scaling compound. Access to the tank is via the lid at the top of the unit. You may wish to remove the unit from the wall to aid access to the unit for de-scaling. We recommend that this is done by a competent person.

- To aid the removal of de-scaling solution and scale, a drain plug (marked DRAIN) can be found at the base of the unit (behind the hot water outlet).

5. Specifications

Model	OMEG3	OMEG5
Power	2.7kW	
Initial draw off (Cups/Mugs)*	18/12	30/20
Recovery rate (Cups/hr)*	175	
Voltage	230V~	
Frequency	50Hz	
Min working pressure	0.2bar/0.02MPa	
Max working pressure	10bar/1MPa	
Ambient operating temperature	5-35°C	
Capacity	3L	5L
Dimensions (mm)	H500mm x W330mm x D255mm	

*initial draw off based on 167ml cup and 250ml mug



6. Guarantee and service policy

This product is guaranteed against faulty materials and manufacture for a period of one year from the date of purchase. Hyco will in its sole discretion replace, repair or refund any faulty unit. Incorrect installation and failure to follow correct operating instructions are excluded. Consequential costs such as labour charges or damage to surroundings are expressly excluded.

INFORMATION FOR CORRECT DISPOSAL OF THE PRODUCT IN ACCORDANCE WITH THE EUROPEAN DIRECTIVE 2002/96/E.

At the end of its working life this equipment must not be disposed of as household waste. It must be taken to a local authority waste collection centre or to a dealer providing this service. Disposing of electrical and electronic equipment separately enables its components to be recovered and recycled to obtain significant savings in energy and resources. In order to underline the duty to dispose of this equipment separately, the product is marked with a crossed out dustbin.

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